

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5370	\$2tree and (range-specifying or range or range-specific) and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L2	468	\$2tree with (range-specifying or range or range-specific) and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L3	179	\$2tree adj4 (range-specifying or range or range-specific) and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L4	70	\$2tree adj2 (range-specifying or range or range-specific) and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L5	21	("5319743"   "5937408"   "6073134"   "6108657"   "6226647").PN. OR ("6625611").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:18
L6	35	\$2tree with (range-specifying or range or range-specific) adj3 key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L7	0	("2004/0133590").URPN.	USPAT	OR	OFF	2007/01/26 16:18
L8	0	("2004/0133590").URPN.	USPAT	OR	OFF	2007/01/26 16:18
L9	0	\$2tree with (range-specif\$3 or range adj specif\$3) adj3 key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L10	2	\$3tree with (range-specif\$3 or range adj specif\$3) with key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18

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L11	4	\$3tree same (range-spezif\$3 or range adj specif\$3) with key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L12	4	\$3tree same (range-spezif\$3 or range adj specif\$3) same key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L13	181	\$3tree same (range-spezif\$3 or range) with key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L14	48	("4344134"   "4606002"   "4841435"   "5408652"   "5446887"   "5546571"   "5560007"   "5613105").PN. OR ("5752243").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:18
L15	50	("3596257"   "4429385"   "4468728"   "4586027"   "4611272"   "4677550"   "4945475"   "5036457"   "5093779"   "5109336"   "5121493"   "5202986"   "5204958"   "5210870"   "5249265"   "5274805"   "5283894"   "5293616"   "5301314"   "5303367"   "5307486"   "5339411"   "5404513"   "5408652"   "5481702"   "5497485"   "5551027"   "5555409"   "5557786"   "5561785"   "5561786"   "5577243").PN. OR ("5930805").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:18
L16	25	("4468728"   "5095480"   "5386413"   "5519858"   "5539922"   "5557786"   "5574910"   "5640551"   "5655129"   "5701467"   "5787430").PN. OR ("6061679").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:18
L17	12	("5263160"   "5359724"   "5557786"   "5640551"   "5765165"   "5950198"   "6029170"   "6032207"   "6061679"   "6347318").PN. OR ("6493706").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:18
L18	17	\$3tree same (network adj address\$2) same key and ("707".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L19	10	temporary adj node and "707".clas.	USPAT	OR	OFF	2007/01/26 16:18

## EAST Search History

L20	0	temporary adj node and temporary adj key and "707".clas.	USPAT	OR	OFF	2007/01/26 16:18
L21	0	temporary adj node and temporary adj key	USPAT	OR	OFF	2007/01/26 16:18
L22	0	temporary adj2 node and temporary adj2 key	USPAT	OR	OFF	2007/01/26 16:18
L23	2	temporary adj3 node and temporary adj3 key	USPAT	OR	OFF	2007/01/26 16:18
L24	6	temporary adj key and "707".clas.	USPAT	OR	OFF	2007/01/26 16:18
L25	1	temporary adj node and temporary adj key and "707".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L26	1	temporary adj node and temporary adj key	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L27	1	temporary adj2 node and temporary adj2 key	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
L28	4	temporary adj3 node and temporary adj3 key	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18



range key tree OR b-tree

2003

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[C Mohan](#)

[P Widmayer](#)

**B-tree key-range** bit map index optimization of database queries - group of 2 »

LH Thai - US Patent 5,560,007, 1996 - Google Patents

... [54] **B-TREE KEY-RANGE BIT MAP** ... Database Toolbox Owner's Handbook, Appendix B, **B+ Tree** Structure, pp. ... Baker, M., **B-tree** indexing: A look at indexing tradeoffs in ...

Cited by 54 - Related Articles - Web Search

[BOOK] ... : **A Key-value Locking Method for Concurrency Control of Multiaction Transactions Operating on B-tree** ... - group of 12 »

C Mohan - 1989 - cs.wisc.edu

... of nonindex and index operations, including **range** scans ... it supports very high concurrency during **tree** traversals, structure ... waiting for a lock on a **key** value in ...

Cited by 124 - Related Articles - View as HTML - Web Search - Library Search

[BOOK] **The KDB-tree: a search structure for large multidimensional dynamic indexes** - group of 6 »

JT Robinson - 1981 - ACM Press New York, NY, USA

... roof 'k-@?-- **KEY** L1cl - - all of K-space ... Figure 1. Example 2- P E **Tree** 3. Queries A **range** query can be expressed by specifying a region, the query region. ...

Cited by 564 - Related Articles - Web Search - Library Search

**Data Structures for Range Searching**

JL Bentley, JH Friedman - ACM Computing Surveys (CSUR), 1979 - portal.acm.org

... the root is discriminated by the first **key**, its sons by ... and Finkel [FRIE77] and makes the kd **tree** a structure ... Analysis of kd trees for **range** searching has been ...

Cited by 254 - Related Articles - Web Search

[BOOK] **The Seen and Unseen World of the Fallen Tree** - group of 4 »

C Maser, JM Trappe, OPN Forest, RE Station - 1984 - srs.fs.usda.gov

... limited by low moisture availability in summer, the fallen **tree-soil** interface ... **Key** Words: Fallen trees, decay (wood), decomposition, old-growth stands, Douglas ...

Cited by 60 - Related Articles - Cached - Web Search - Library Search

**External sorting using key value distribution and range formation** - group of 2 »

EE Lindstrom, JS Vitter - US Patent 4,575,798, 1986 - Google Patents

... The sampled **key** values are then read into internal memory and inserted into the balanced **tree**, as explained above. **Range** (Bucket) Formation Phase This phase is ...

Cited by 48 - Related Articles - Web Search

**New Data Structures for Orthogonal Range Queries** - group of 6 »

DE Willard - SIAM J. Comput., 1985 - locus.siam.org

... **Key** words, augmented **tree**, data base, geometric retrieval, k ... **tree**, multidimensional retrieval, orthogonal **range** query, **range** query, relational data base, super-B ...

Cited by 68 - Related Articles - View as HTML - Web Search

**B-tree structured data base using sparse array bit maps to store inverted lists**

US Patent 4,606,002, 1986 - freepatentsonline.com

... contain the data value represented by the associated **key**, each pointer including a **range** value and ... the data tables in the form of a **B-tree** index having ...

Cited by 87 - Related Articles - Cached - Web Search

Rapid recent **range**-margin rise of **tree** and shrub species in the Swedish Scandes - group of 4 »

L Kullman - Journal of Ecology, 2002 - Blackwell Synergy

... Rapid recent **range**-margin rise of **tree** and shrub species in the Swedish Scandes.

Leif Kullman. Summary. 1; Recent elevational **range**-margin ...

Cited by 48 - Related Articles - Web Search - BL Direct

An asymptotically optimal multiversion **B-tree** - group of 11 »

B Becker, S Gschwind, T Ohler, B Seeger, P ... - The VLDB Journal The International Journal on Very Large ..., 1996 - Springer

... b m i ) blocks. – A **range** query in version i that returns r ... For example, the **B-tree** uses a separator **key** and the **R-tree** uses a rectangle as a router. ...

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range key tree OR b-tree

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[O Kinouchi](#)

An interpreter generator using tree pattern matching - group of 2 »

CM Hoffmann, MJ O'Donnell - Proceedings of the 6th ACM SIGACT-SIGPLAN symposium on ..., 1979 - portal.acm.org

Page 1. AN INTERPRETER GENERATOR USING TREE PATTERN MATCHING # Christoph M. Hoffmann\*

Michael J. O'Donnell\* Purdue University W. Lafayette, IN 47907 Abstract: ...

Cited by 12 - Related Articles - Web Search

Equivalence between learning in noisy perceptrons and tree committee machines - group of 4 »

M Copelli, O Kinouchi, N Caticha - Physical Review E, 1996 - APS

... whenever necessary, must be regarded to be a branch perceptron of a **nonoverlapping** or tree ... A. The TCM model The **K tree** committee machine we deal with is a set ...

Cited by 13 - Related Articles - Web Search

Programming with Equations

CM HOFFMANN, MJ O'DONNELL - ACM Transactions on Programming Languages and Systems, 1982 - portal.acm.org

... Figure 4 when several insertions are attempted in parallel. **Nonoverlapping** equations may be used freely in parallel. ...  $\text{ins}(\mathbf{K}, \text{tree}(\mathbf{X})) = \text{tree}(\text{ins}(\mathbf{K}, \mathbf{X}))$ . (B1) ...

Cited by 34 - Related Articles - Web Search

Set-associative cache simulation using generalized binomial trees - group of 2 »

RA Sugumar, SG Abraham - ACM Transactions on Computer Systems (TOCS), 1995 - portal.acm.org

Page 1. Set-Associative Cache Simulation Using Generalized Binomial Trees —

RABIN A. SUGUMAR Cray Research Inc. and SANTOSH G. ABRAHAM ...

Cited by 13 - Related Articles - Web Search - BL Direct

An implementation and performance analysis of spatial data access methods - group of 2 »

D Greene - Data Engineering, 1989. Proceedings. Fifth International ..., 1989 - ieeexplore.ieee.org

Page 1 Methods Diane Greene1 Computer Sciences Department University of

California. Berkeley Berkeley, Ca. An Implementation and ...

Cited by 83 - Related Articles - Web Search

Slicing and non-slicing, unified and rotation independent, algebraic representation of floorplans - group of 2 »

CI Horta, JA Lima - EUROMICRO 97. 'New Frontiers of Information Technology', ..., 1997 - ieeexplore.ieee.org

... vertical line segments into  $n$  **nonoverlap**-ping basic ... vertical line segments into  $n$  **nonoverlapping** basic rectangles ... GW has an unique 2-**k tree** representation ([SI ...

Related Articles - Web Search

A survey of modern high-performance switching techniques - group of 3 »

H Ahmadi, WE Denzel - Selected Areas in Communications, IEEE Journal on, 1989 - ieeexplore.ieee.org

... The switch fabrics described in this section are based on a fully interconnected topology in the sense that every input has a **nonoverlapping** direct path to ...

Cited by 152 - Related Articles - Web Search

Polynomial time testability of circuits generated by input decomposition - group of 4 »

G Lee, MJ Irwin, RM Owens - Computers, IEEE Transactions on, 1994 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)  
... model to include the circuits in which the subcircuits form a partial **k-tree** [3].  
For ... by finding the partition of the inputs x into two **nonoverlapping** sets Xl ...  
Cited by 2 - Related Articles - Web Search - BL Direct

Indexing valid time databases via B-trees - group of 5 »  
MA Nascimento, MH Dunham - Knowledge and Data Engineering, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)  
... Clipping: Divides the whole indexed space in **nonoverlapping** (disjoint) subspaces  
and the in ... Time Index, and the **K\*-tree** are presented in Section 4. We conclude ...  
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